

FORM PTO-1390 (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>1184-010</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/505374</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/DE03/00542</b>		INTERNATIONAL FILING DATE <b>21 February 2003</b>		PRIORITY DATE CLAIMED <b>22 February 2002</b>	
TITLE OF INVENTION <b>METHOD AND APPARATUS FOR DETECTING AND PROCESSING ELECTRICAL AND OPTICAL SIGNALS</b>					
APPLICANT(S) FOR DO/EO/US <b>Rudolf Schwarte</b>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.					
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.					
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.					
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).					
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))					
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).					
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.					
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).					
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).					
a. <input checked="" type="checkbox"/> is attached hereto.					
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).					
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))					
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).					
b. <input type="checkbox"/> have been communicated by the International Bureau.					
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.					
d. <input checked="" type="checkbox"/> have not been made and will not be made.					
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).					
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <b>Unsigned</b>					
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
<b>Items 11 to 20 below concern document(s) or information included:</b>					
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.					
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
13. <input checked="" type="checkbox"/> A preliminary amendment.					
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.					
15. <input checked="" type="checkbox"/> A substitute specification.					
16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. <b>Unsigned</b>					
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.					
18. <input checked="" type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).					
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).					
20. <input checked="" type="checkbox"/> Other items or information: <b>PCT Request; International Search Report;</b>					

U.S. APPLICATION NO. (known) See 37 CFR 1.5 <b>10/505374</b>		INTERNATIONAL APPLICATION NO. PCT/DE02/02244		ATTORNEY'S DOCKET NUMBER 0740-068	
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21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. .... \$1080.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$920.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>	
				\$	920.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	72 - 20 =	52	x \$18.00	\$	936.00
Independent claims	2 - 3 =	0	x \$86.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				\$	290.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	1,226.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$	2,146.00
				Amount to be refunded:	\$
				charged:	\$

a. ☒ A check in the amount of \$ 2,146.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
 overpayment to Deposit Account No. 020460. A duplicate copy of this sheet is enclosed.


d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card  
 information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)  
 or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

The Maxham Firm  
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 750 B Street, Suite 3100  
 San Diego, CA 92101 USA  
 619-233-9004

  
 SIGNATURE  
Lawrence A. Maxham  
 NAME  
24.483  
 REGISTRATION NUMBER

0/505374

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DATE OF DEPOSIT: 20 August 2004

I HEREBY CERTIFY THAT THESE PAPERS AND FEE ARE  
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Belinda M. Owens

(NAME)

Belinda m. Owens

(SIGNATURE)

**IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**  
**CONCERNING A FILING UNDER 35 U.S.C. 371**

In re

Applicant : Rudolf Schwarte  
U.S. Application No. : UNKNOWN  
International Application No. : PCT/DE03/00542  
International Filing Date : 21 February 2003 (21.02.03)  
For : METHOD AND APPARATUS FOR  
DETECTING AND PROCESSING  
ELECTRICAL AND OPTICAL SIGNALS  
  
Priority Application Data : DE 102 07 610.3  
Filed: 22 February 2002 (22.02.02)  
  
Our Attorney/Docket Reference : 1184-010

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL LETTER**


The below items are enclosed with this letter for filing the above-identified National Phase application:

1. Express Mail Certification;
2. Transmittal Letter to the U.S. Designated/Elected Office (2 pages);
3. Declaration for Patent Application (2 pages) (Unexecuted);
4. Power of Attorney (1 page) (Unexecuted);
5. Preliminary Amendment (12 pages) including Abstract and Amended claims, and substitute Specification (37 pages);
6. Redlined version of specification (38 pages);
7. English translation of claims as originally filed in PCT application (9 pages);
8. Drawing (8 sheets);
9. Request (PCT/RO/101) (5 pages);
10. International Search Report (PCT/ISA/210) (4 pages);
11. Copy of Published International Application - WO 03/073602 A2 (39 pages);
12. Check for \$2146 filing fee; and
13. Return Postcard.

The serial number of the Express Mail certificate is EL 898591425 US, mailed on 20 August 2004.

Respectfully submitted,

RUDOLF SCHWARTE

By:   
Lawrence A. Maxham  
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